

AMENDMENTS TO THE SPECIFICATION

Amend the specification by inserting before the first line the sentence:

This is a divisional of Application No. 09/755,081 filed January 8, 2001; the disclosure of which is incorporated herein by reference.

On page 3, please replace the paragraph continuing from page 2, with the following amended paragraph:

Manufacturing fiber optic cables has increasingly developed into an automated process. Measuring the length of the binder material necessary for a particular cable design, however, is still a manual process. Traditionally, the binder is manually measured using a ruler or a tape measure. The binder laylength is then calculated by measuring the distance from a first peak on the bound core to a second peak on the bound core, or from one binder center to the next binder center. Manually measuring the binder laylength is therefore a trial and error process. Often, cable portions must be scrapped until an acceptable measurement is ~~isn~~ obtained for the particular cable design.

On page 5, please replace the first full paragraph, with the following amended paragraph:

A detection system then detects the unique feature associated with the detectable binder. A distance value is calculated in relation the periodic spacing between two detected points on the physically detectable binder. The distance value is fed into a closed feed back loop. A PLC receives status data from the closed feedback loop and compares the received data to a stored laylength parameter. The stored laylength value also includes a tolerance. If the received data does not match the stored parameter (or fall within the tolerance), an error signal is transmitted to

PRELIMINARY AMENDMENT

Divisional of Application Number 09/755,081

an algorithm stored in ~~the~~ a binder adjustment unit. This unit may be any unit that controls the adjustment of the binder laylength. Examples of these adjustment units include, but are not limited to: a binder head speed control unit that spins the binder head faster to lay more binder in a shorter period of time and a main line speed control unit that increases the main line speed and thus spreads out the lay between binders. The algorithm thereby adjusts the binder head speed and/or line speed accordingly. This process repeats until the desired input laylength is detected by the detection system.